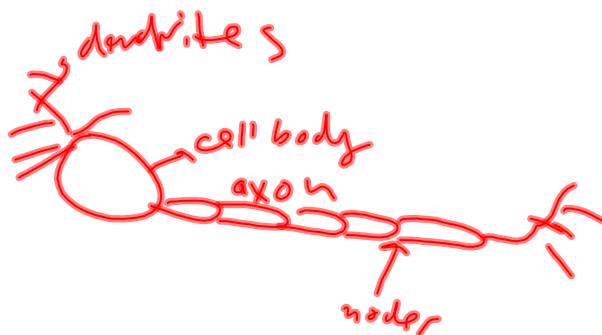


33.2/33.2 Review

Grade: 12th
Subject: Advanced Biology
Date: 2/19

Feb 19-11:38 AM

- 1 The gaps in the myelin sheath on some axons, is called a _____.



Feb 19-11:40 AM

2 Another name for a nerve impulse is a _____
action _____.
potential

Feb 19-11:40 AM

3 The three main regions of a neuron are the....

- A dendrites
- B interneurons
- C axon
- D cell body
- E motor neuron
- F sensory neuron

Feb 19-11:41 AM

4 The minimum stimulus to generate an action potential is a(n) _____.

threshold

Feb 19-11:42 AM

5 A chemical that diffuses across a synapse and binds to neurons on the dendrite of a neighboring neuron is a _____.

neurotransmitter

Feb 19-11:43 AM

- 6 The largest part of the brain, that carries out thought processes like memory, voluntary body movements, sensory perception is the _____.

Cerebrum

Feb 19-11:44 AM

- 7 The ^{hypothalamus} cerebellum is involved with regulating thirst and appetite.

True

False

Feb 19-11:45 AM

8 The two branches of the autonomic nervous system are the sympathetic nervous system and the ~~somatic nervous~~ system. *parasympathetic*

True

False

Feb 19-11:46 AM

9 The _____ contains numerous receptor cells called rods and cones.

Feb 19-11:46 AM

10 In the inner ear, a snail-shaped structure called the cochlea is filled with fluid and lined with tiny hair cells

Feb 19-11:47 AM

11 Taste buds are specialized chemical receptors on the tongue that detects....

- < A bitter
- < B sweet
- C spicy
- < D sour
- < E salty

Feb 19-11:49 AM

Chapter 33 Review

Grade: 12th
Subject: Advanced Biology
Date: 2/26

Feb 26-10:09 AM

1 Which word does not belong with the group of the following terms: Axon, Dendrite, Reflex Arc

A axon

B dendrite

C reflex arc

Feb 26-10:13 AM

2 Which word does not belong with the group of the following terms: Cell body, Synapse, Neurotransmitter

A cell body

B synapse

C neurotransmitter

Feb 26-10:14 AM

3 Which word does not belong with the group of the following terms: Myelin, Node, Threshold

A myelin

B node

C threshold

Feb 26-10:15 AM

4 Which of the following terms do not belong with the group: Somatic System, Parasympathetic system, Sympathetic system

- A somatic system
- B parasympathetic system
- C sympathetic system

Feb 26-10:17 AM

5 Which of the following terms do not belong to the group: Cerebrum, Pons, Medulla Oblongata

- A cerebrum
- B pons
- C medulla oblongata

→ brain stem

Feb 26-10:18 AM

6 Which of the following terms do not belong to the group:
Autonomic nervous system, Somatic nervous system,
Central nervous system

- A autonomic nervous system
- B somatic nervous system
- C central nervous system

Feb 26-10:20 AM

7 Which is the correct path that a nerve impulse will follow
in a reflex arc?

- A motor neuron, interneuron, sensory neuron
- B interneuron, motor neuron, sensory neuron
- C motor neuron, sensory neuron, interneuron
- D sensory neuron, interneuron, motor neuron

Feb 26-10:22 AM

8 Which is characteristic of the sympathetic division of the autonomic system?

- A stimulates digestion
- ☒ B dilates the bronchi
- C slows the heart rate
- D converts glucose to glycogen

Feb 26-10:25 AM

9 If the cerebellum is injured as a result of trauma, what effect would this have on the person?

- A partial or complete memory loss
- B body temperature fluctuation
- ☒ C trouble maintaing balance
- D rapid breathing

Feb 26-10:26 AM

10 Which nervous system is the hypothalamus most involved in regulating?

- A voluntary
- B peripheral
- C sensory
- D autonomic

Feb 26-10:28 AM

11 _____, located in the retina, detect low light.

Rod

Feb 26-10:32 AM

12 _____, located in the retina, provide information about color.

cones

Feb 26-10:34 AM

13 The snail shaped, fluid-filled vessel in the ear is the

_____.

cochlea

Feb 26-10:35 AM

14 If there was a power outage in a movie theater and only a few dim emergency lights were lit, which cells in the retina would be more important for finding your way out?

A rods

B cones

C rods and cones are equally important

Feb 26-10:36 AM

15 Which represents the correct sequence as sound waves travel in the ear to trigger an impulse?

A cochlea, incus, stapes, eardrum

B tympanum, bones in the middle of the ear, cochlea, hair cells

C auditory canal, tympanum, hair cells, cochlea

D hair cells, auditory canal, cochlea, malleus

Feb 26-10:38 AM

16 With which sense are free nerve endings associated with?

- A taste
- B hearing
- C touch
- D sight

Feb 26-10:39 AM

17 Some rides at the amusement parks cause a person to become dizzy when the ride stops. Which structure is most likely involved with the dizzy feeling?

Semicircular canals

Feb 26-10:40 AM

18 Which decreases brain activity?

- A nicotine
- B amphetamines
- C cocaine
- ☒ D alcohol

Feb 26-10:41 AM

19 What is the most likely function of amphetamines?

- ☒ A to stimulate the sympathetic nervous system
- B to stimulate the parasympathetic nervous system
- C to stimulate the sympathetic and parasympathetic systems equally
- D not affect either the sympathetic or parasympathetic nervous system

Feb 26-10:43 AM

20 If a person is suffering from depression, which drug is one recommended treatment of the presynaptic neuron?

- A one that increases the reuptake of dopamine
- B one that increases the production of dopamine
- C one that decreases the receptors for dopamine
- D one that decreases the reuptake of dopamine

Feb 26-10:45 AM

21 _____ is the term for when a person is psychologically or physically dependent on a substance/drug.

addiction

Feb 26-10:46 AM

22 Drugs that increase alertness and physical activity are _____.

Stimulant

Feb 26-10:46 AM